

## ABSTRACT OF THE DISCLOSURE

5           Methods in radio communications devices having a transmitter  
with an integral control loop, and in other integral control systems,  
including generating a first error signal (210) based upon an amplifier  
output signal and a corrected reference signal, generating a second error  
(220) signal based on a closed loop integral control signal applied to a  
control input of the amplifier and based on an integral control reference  
10   signal, and generating the corrected reference signal (230) by correcting a  
reference signal based upon the first and second error signals.